

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P747358

Luminaire Tested: LD4D35BD010-EU4DR6520359050-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P747358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR6520359050-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

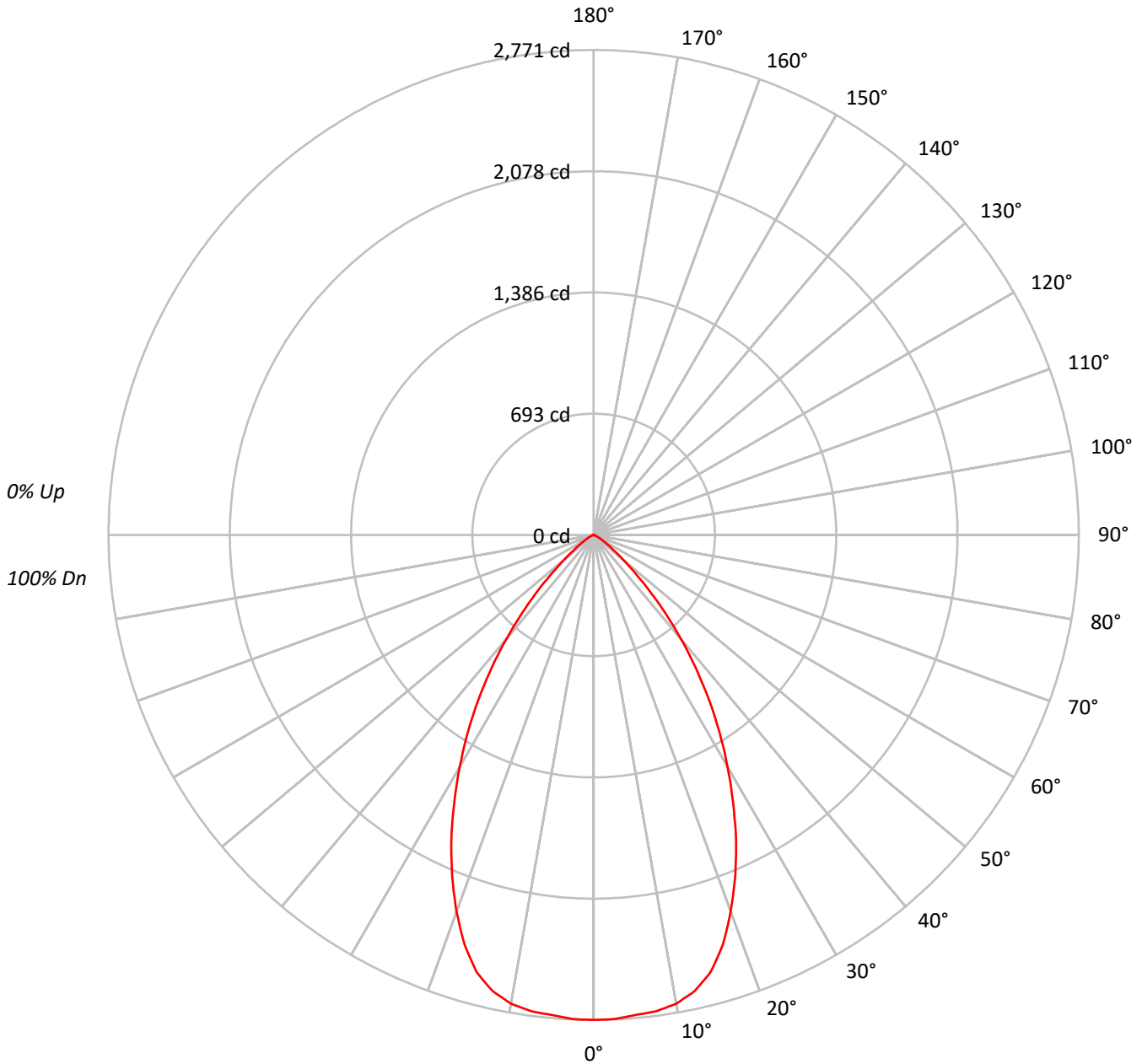
Lumens per Lamp: N/A
Luminaire Lumens: 3051.7 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10		0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161825
5°	161418
10°	161280
15°	156312
20°	142303
25°	124005
30°	103141
35°	81722
40°	58980
45°	37267
50°	19426
55°	10325
60°	5420
65°	2985
70°	1247
75°	1376
80°	975
85°	804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.0	8.6
10°-20°	717.6	23.5
20°-30°	877.1	28.7
30°-40°	711.6	23.3
40°-50°	354.6	11.6
50°-60°	98.9	3.2
60°-70°	22.5	0.7
70°-80°	5.9	0.2
80°-90°	1.5	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1856.7	60.8
0°-40°	2568.3	84.2
0°-60°	3021.9	99.0
0°-90°	3051.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3051.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2771	
5°	2753	262
15°	2585	718
25°	1924	877
35°	1146	712
45°	451	355
55°	101	99
65°	22	22
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2770.8
2.5°	2768.8
5°	2753.3
7.5°	2744.4
10°	2719.5
12.5°	2669.1
15°	2585.2
17.5°	2454.1
20°	2289.6
22.5°	2112.0
25°	1924.3
27.5°	1723.6
30°	1529.4
32.5°	1337.6
35°	1146.2
37.5°	955.2
40°	773.6
42.5°	603.4
45°	451.2
47.5°	314.3
50°	213.8
52.5°	147.4
55°	101.4
57.5°	68.4
60°	46.4
62.5°	32.2
65°	21.6
67.5°	11.0
70°	7.3
72.5°	6.9
75°	6.1
77.5°	4.1
80°	2.9
82.5°	2.0
85°	1.2
87.5°	0.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)